

WHAT IS CLAIMED IS:

1. A printing apparatus, comprising
a printing agent container for storing printing
5 agent;

printing means for replenishing the printing agent
from said printing agent container and imparting the
printing agent to a printing medium from a plurality of
printing elements; and

10 a pair of paper-conveying rollers for conveying the
printing medium while maintaining the latter in a flat
state by supporting the printing medium from front and
rear surfaces thereof; wherein

a printing region plane opposite to the printing
15 medium, in which said plurality of printing elements of
said printing means are arranged, at least part of a
paper-conveying roller region occupied with said paper-
conveying rollers and at least part of a printing medium
region in which said printing agent container is located
20 are arranged on a same straight line contained in said
printing region plane.

2. A printing apparatus as claimed in claim 1,
wherein said at least part of said paper-conveying roller
25 region is located on the same straight line contained in
said printing region plane while being interposed
between said printing region plane and at least part of

said printing agent region.

3. A printing apparatus as claimed in claim 1,
wherein said printing agent region is positioned at a
5 level higher than said printing means in the gravity
direction at the operating position of said printing
apparatus.

4. A printing apparatus as claimed in claim 1,
10 wherein the printing agent is located in said printing
agent container at a lower level in the gravity direction
as the printing on the printing medium is proceeding.

5. A printing apparatus as claimed in claim 1,
15 wherein the printing agent is liquid stored in said
printing agent container while maintaining a liquid
state.

6. A printing apparatus as claimed in claim 1,
20 wherein said printing means has means capable of
carrying out the printing operation on the printing
medium during the horizontal motion at the operating
position of said printing apparatus.

25 7. A printing apparatus as claimed in claim 1,
wherein the printing agent is liquid ink and said
printing element has an ejection orifice for ejecting ink

and an element for generating energy used for ejecting the ink from said ejection orifice.

8. A printing cartridge having a configuration
5 capable of being mounted to said printing apparatus as claimed in claim 2, comprising;

a printing agent container for storing printing agent; and

printing means for replenishing the printing agent
10 from said printing agent container and imparting the printing agent to a printing medium from a plurality of printing elements.

9. A printing agent container detachably mounted to
15 said printing means used in said printing apparatus as claimed in claim 1.

10. A printing agent container detachably mounted to said
printing means constituting said printing cartridge as claimed
20 in claim 8.

11. A printing apparatus for carrying out the
printing operation by using printing means, comprising
a first conveying roller for conveying a printing
25 medium on a predetermined conveying path,

holding means disposed on said conveying path
downstream of said first conveying roller, for holding

the printing means,

a second conveying roller for conveying the printing medium disposed on said conveying path downstream of said holding means, and

5 a printing material container held by said holding means or said recording means, and extending over said conveying path to a position further downstream of said second conveying roller and closer to said conveying path than the farthest point from said conveying path of
10 said second conveying roller.

12. A printing apparatus as claimed in claim 11, wherein said printing material comprises ink, and said printing means carrying out the printing operation by
15 discharging said ink.

13. A printing apparatus for carrying out said printing operation by using printing means, comprising
a first conveying roller for conveying a recording
20 medium on a predetermined conveying path,

holding means disposed on said conveying path downstream of said first conveying roller, for holding the recording means,

a second conveying roller disposed on said conveying
25 path downstream of said holding means, and
a recording material container held by said holding means or said recording means, and extending over said

conveying path to a position further upstream of said first conveying roller and closer to said conveying path than the farthest point from said conveying path of said first conveying roller.

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14. A printing apparatus as claimed in claim 13, wherein said printing material comprises ink, and said printing means carrying out the printing operation by discharging said ink.